APPENDIX C

SOIL LABORATORY RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 700-54934-1

Job Description: Soil Testing

For:
W.L. Burle, Engineers, P.A.
111 South Walnut Street
Greenville, MS 38701

Attention: W L Burle

Approved for release.
Suzy Lindblom
Project Manager I
1/24/2011 3:09 PM

Suzy Lindblom
Project Manager I
suzy.lindblom@testamericainc.com
01/24/2011

This statement certifies, to the best of the laboratory's knowledge, all test results meet the requirements of NELAC, except where noted in the case narrative. TestAmerica Mobile Certifications and Approvals: Alabama (Micro & DW - #40030); Arkansas (NPW - #09-028-0); Florida (DW, NPW, SCM, BT – E87089); Georgia (DW - #952); Louisiana (NPW, SCM, BT - #01992); Louisiana (DW LA090026); Mississippi (DW-CERT LETTER); North Carolina (NPW - #395); South Carolina (NPW - #75002); Tennessee (DW - #TN02979); Texas (T104704460-09A-TX); USDA (Permit # P330-08-00039); Washington (C1918).

Job Narrative
700-54934-1

Receipt
For samples (SB-13 @20 and SB-14@20) the COC has the prior listing whereas the bottles have (SB-13@15 ,SB-14@15). All samples have SB..... on COC, but bottles have only B..... Some bottles have an extension on the depth (EX.1' -2.5', or 20'-21.5') COC only has 1' or 20'. Samples taken 12-28,12-29, 1-4,1-5 and 1-6 arrived Mobile 1-7/11

All other samples were received in good condition within temperature requirements.

General Chemistry
Method(s) 351.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 95407 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 9045D: The following sample(s) was received outside the laboratory assigned holding time of 7 days: SB-13 @1' (700-54934-25), SB-13 @20' (700-54934-26), SB-14 @1' (700-54934-27), SB-14 @20' (700-54934-28), SB-15 @1' (700-54934-29), SB-15 @20' (700-54934-30), SB-3 @1' (700-54934-5), SB-3 @20' (700-54934-6), SB-4 @1' (700-54934-7), SB-4 @20' (700-54934-8), SB-6 @1' (700-54934-11), SB-6 @20' (700-54934-12).

Note - EPA does not have a defined holding time for soils - this is the laboratory's holding time as expressed in the in-house SOP.

Method(s) 9050A: Method 9050A is applicable only to water matrices. This method has been modified to incorporate soil matrices for this project.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Nitrogen, Ammonia	TAL MOB	MCAWW 350.1	
Deionized Water Leaching Procedure	TAL MOB		ASTM DI Leach
Nitrogen, Total Kjeldahl	TAL MOB	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL MOB		MCAWW 351.2
pH	TAL MOB	SW846 9045D	
Specific Conductance	TAL MOB	SW846 9050A	
Loss On Ignition	TAL MOB	SPCC Loss On Ignit.	
Percent Moisture	TAL MOB	EPA Moisture	

Lab References:

TAL MOB = TestAmerica Mobile

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SPCC = Society for Protective Coatings

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method	Analyst	Analyst ID
MCAWW 350.1	Norvang, Vanyda A	VAN
MCAWW 351.2	Hollins, Shelinda D	SDH
SW846 9045D	Phan, Julia D	JDP
SW846 9050A	Phan, Julia D	JDP
SPCC Loss On Ignit.	Phan, Julia D	JDP
EPA Moisture	Hester, Jessica	JH

SAMPLE SUMMARY

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
700-54934-1	SB-1 @1'	Solid	01/05/2011 1503	01/07/2011 1043
700-54934-2	SB-1 @20'	Solid	01/05/2011 1530	01/07/2011 1043
700-54934-3	SB-2 @1'	Solid	01/04/2011 0749	01/07/2011 1043
700-54934-4	SB-2 @20'	Solid	01/04/2011 0825	01/07/2011 1043
700-54934-5	SB-3 @1'	Solid	12/29/2010 0954	01/07/2011 1043
700-54934-6	SB-3 @20'	Solid	12/29/2010 1027	01/07/2011 1043
700-54934-7	SB-4 @1'	Solid	12/29/2010 1115	01/07/2011 1043
700-54934-8	SB-4 @20'	Solid	12/29/2010 1145	01/07/2011 1043
700-54934-9	SB-5 @1'	Solid	01/06/2011 1415	01/07/2011 1043
700-54934-10	SB-5 @20'	Solid	01/06/2011 1450	01/07/2011 1043
700-54934-11	SB-6 @1'	Solid	12/29/2010 0815	01/07/2011 1043
700-54934-12	SB-6 @20'	Solid	12/29/2010 0853	01/07/2011 1043
700-54934-13	SB-7 @1'	Solid	01/06/2011 1108	01/07/2011 1043
700-54934-14	SB-7 @20'	Solid	01/06/2011 1140	01/07/2011 1043
700-54934-15	SB-8 @1'	Solid	01/05/2011 1107	01/07/2011 1043
700-54934-16	SB-8 @20'	Solid	01/05/2011 1140	01/07/2011 1043
700-54934-17	SB-9 @1'	Solid	01/04/2011 1030	01/07/2011 1043
700-54934-18	SB-9 @20'	Solid	01/04/2011 1117	01/07/2011 1043
700-54934-19	SB-10 @1'	Solid	01/05/2011 0800	01/07/2011 1043
700-54934-20	SB-10 @20'	Solid	01/05/2011 0855	01/07/2011 1043
700-54934-21	SB-11 @1'	Solid	01/04/2011 1423	01/07/2011 1043
700-54934-22	SB-11 @20'	Solid	01/04/2011 1515	01/07/2011 1043
700-54934-23	SB-12 @1'	Solid	01/06/2011 0815	01/07/2011 1043
700-54934-24	SB-12 @20'	Solid	01/06/2011 0850	01/07/2011 1043
700-54934-25	SB-13 @1'	Solid	12/28/2010 1600	01/07/2011 1043
700-54934-26	SB-13 @20'	Solid	12/28/2010 1635	01/07/2011 1043
700-54934-27	SB-14 @1'	Solid	12/28/2010 1400	01/07/2011 1043
700-54934-28	SB-14 @20'	Solid	12/28/2010 1427	01/07/2011 1043
700-54934-29	SB-15 @1'	Solid	12/28/2010 0932	01/07/2011 1043
700-54934-30	SB-15 @20'	Solid	12/28/2010 1008	01/07/2011 1043

SAMPLE RESULTS

General Chemistry

Client Sample ID: **SB-1 @1'**

Lab Sample ID: 700-54934-1 Date Sampled: 01/05/2011 1503
Client Matrix: Solid % Moisture: 15.8 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.59		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1605					DryWt Corrected: Y
TKN	290		mg/Kg	29	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1222					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	6.20		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1643					DryWt Corrected: N
Specific Conductance	340		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	1.9		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	16		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	84		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-1 @20'**

Lab Sample ID: 700-54934-2
Client Matrix: Solid

% Moisture: 18.7

Date Sampled: 01/05/2011 1530
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	1.2		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1607					DryWt Corrected: Y
TKN	220		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1225					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	7.40		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1637					DryWt Corrected: N
Specific Conductance	93		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.6		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	19		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	81		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-2 @1'**

Lab Sample ID: 700-54934-3 Date Sampled: 01/04/2011 0749
Client Matrix: Solid % Moisture: 18.1 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.60		mg/Kg	0.60	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1608					DryWt Corrected: Y
TKN	510		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1231					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.29		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1645					DryWt Corrected: N
Specific Conductance	52		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	2.4		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	18		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-2 @20'**

Lab Sample ID: 700-54934-4
Client Matrix: Solid % Moisture: 21.4

Date Sampled: 01/04/2011 0825
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	2.1		mg/Kg	0.63	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1609					DryWt Corrected: Y
TKN	280		mg/Kg	32	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1232					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	8.14		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1647					DryWt Corrected: N
Specific Conductance	120		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.6		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	21		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	79		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-3 @1'**

Lab Sample ID: 700-54934-5
Client Matrix: Solid
% Moisture: 19.7

Date Sampled: 12/29/2010 0954
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.61		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1610					DryWt Corrected: Y
TKN	440		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1234					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.11	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1649					DryWt Corrected: N
Specific Conductance	42		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.9		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	20		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	80		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

General Chemistry

Client Sample ID: **SB-3 @20'**

Lab Sample ID: 700-54934-6
Client Matrix: Solid
% Moisture: 14.4

Date Sampled: 12/29/2010 1027
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	0.76		mg/Kg	0.56	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1611					DryWt Corrected: Y
TKN	110		mg/Kg	29	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1235					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	6.05	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1652					DryWt Corrected: N
Specific Conductance	38		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	1.6		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	14		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	86		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

General Chemistry

Client Sample ID: **SB-4 @1'**

Lab Sample ID: 700-54934-7
Client Matrix: Solid

% Moisture: 21.1

Date Sampled: 12/29/2010 1115
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.61		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1612					DryWt Corrected: Y
TKN	320		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1236					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	6.83	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1654					DryWt Corrected: N
Specific Conductance	71		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.2		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	21		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	79		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

General Chemistry

Client Sample ID: **SB-4 @20'**

Lab Sample ID: 700-54934-8
Client Matrix: Solid
% Moisture: 18.7
Date Sampled: 12/29/2010 1145
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	4.7		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1618					DryWt Corrected: Y
TKN	140		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1237					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	7.43	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1656					DryWt Corrected: N
Specific Conductance	300		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.4		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	19		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	81		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-5 @1'**

Lab Sample ID: 700-54934-9 Date Sampled: 01/06/2011 1415
Client Matrix: Solid % Moisture: 21.6 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.62		mg/Kg	0.62	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1619					DryWt Corrected: Y
TKN	610		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1239					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	4.98		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1658					DryWt Corrected: N
Specific Conductance	58		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	2.7		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	22		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	78		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

Client: W.L. Burle, Engineers, P.A. Job Number: 700-54934-1

General Chemistry

Client Sample ID: **SB-5 @20'**

Lab Sample ID: 700-54934-10 Date Sampled: 01/06/2011 1450
Client Matrix: Solid % Moisture: 18.3 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	7.7		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1620					DryWt Corrected: Y
TKN	100		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1240					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	7.45		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1701					DryWt Corrected: N
Specific Conductance	47		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.8		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	18		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-6 @1'**

Lab Sample ID: 700-54934-11 Date Sampled: 12/29/2010 0815
Client Matrix: Solid % Moisture: 17.7 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.61		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1621					DryWt Corrected: Y
TKN	330		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1243					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.40	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1710					DryWt Corrected: N
Specific Conductance	99		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.3		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	18		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

General Chemistry

Client Sample ID: **SB-6 @20'**

Lab Sample ID: 700-54934-12
Client Matrix: Solid
% Moisture: 17.5
Date Sampled: 12/29/2010 0853
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	2.3		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1622					DryWt Corrected: Y
TKN	170		mg/Kg	29	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1249					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	7.35	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1714					DryWt Corrected: N
Specific Conductance	83		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.3		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	18		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-7 @1'**

Lab Sample ID: 700-54934-13 Date Sampled: 01/06/2011 1108
Client Matrix: Solid % Moisture: 0.6 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.49		mg/Kg	0.49	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1623					DryWt Corrected: Y
TKN	390		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1250					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.23		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1716					DryWt Corrected: N
Specific Conductance	34		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	2.5		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	21		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	79		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-7 @20'**

Lab Sample ID: 700-54934-14 Date Sampled: 01/06/2011 1140
Client Matrix: Solid % Moisture: 19.3 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	3.1		mg/Kg	0.60	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1624					DryWt Corrected: Y
TKN	160		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1251					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.64		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1720					DryWt Corrected: N
Specific Conductance	51		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	2.3		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	19		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	81		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-8 @1'**

Lab Sample ID: 700-54934-15 Date Sampled: 01/05/2011 1107
Client Matrix: Solid % Moisture: 20.2 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	3.2		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1625					DryWt Corrected: Y
TKN	590		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1253					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	6.12		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1723					DryWt Corrected: N
Specific Conductance	190		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.8		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	20		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	80		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-8 @20'**

Lab Sample ID: 700-54934-16 Date Sampled: 01/05/2011 1140
Client Matrix: Solid % Moisture: 17.1 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	4.1		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1627					DryWt Corrected: Y
TKN	130		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1254					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	6.18		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1724					DryWt Corrected: N
Specific Conductance	44		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	1.7		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	17		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	83		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

General Chemistry

Client Sample ID: **SB-9 @1'**

Lab Sample ID: 700-54934-17
Client Matrix: Solid
% Moisture: 21.1

Date Sampled: 01/04/2011 1030
Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.63		mg/Kg	0.63	1.0	350.1
Analysis Batch: 700-95223	Date Analyzed: 01/10/2011 1628					DryWt Corrected: Y
TKN	380		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1255					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	4.85		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1727					DryWt Corrected: N
Specific Conductance	50		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.1		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	21		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	79		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-9 @20'**

Lab Sample ID: 700-54934-18 Date Sampled: 01/04/2011 1117
Client Matrix: Solid % Moisture: 17.5 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	7.0		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1451					DryWt Corrected: Y
TKN	56		mg/Kg	29	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1257					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	6.33		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1729					DryWt Corrected: N
Specific Conductance	39		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	2.2		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Moisture	17		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	83		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-10 @1'**

Lab Sample ID: 700-54934-19 Date Sampled: 01/05/2011 0800
Client Matrix: Solid % Moisture: 18.8 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	0.60		mg/Kg	0.60	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1452					DryWt Corrected: Y
TKN	250		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1258					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.24		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1732					DryWt Corrected: N
Specific Conductance	28		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	2.1		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/14/2011 1535					DryWt Corrected: N
Percent Moisture	19		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	81		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-10 @20'**

Lab Sample ID: 700-54934-20 Date Sampled: 01/05/2011 0855
Client Matrix: Solid % Moisture: 17.8 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	3.7		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1453					DryWt Corrected: Y
TKN	93		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95259	Date Analyzed: 01/11/2011 1259					DryWt Corrected: Y
Prep Batch: 700-95189	Date Prepared: 01/10/2011 1510					
pH	5.76		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1734					DryWt Corrected: N
Specific Conductance	39		umhos/cm		1.0	9050A
Analysis Batch: 700-95227	Date Analyzed: 01/10/2011 1440					DryWt Corrected: N
Loss on Ignition	3.5		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95427	Date Analyzed: 01/14/2011 1535					DryWt Corrected: N
Percent Moisture	18		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
Analysis Batch: 700-95372	Date Analyzed: 01/12/2011 1345					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-11 @1'**

Lab Sample ID: 700-54934-21 Date Sampled: 01/04/2011 1423
Client Matrix: Solid % Moisture: 21.6 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	0.78		mg/Kg	0.62	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1455					DryWt Corrected: Y
TKN	300		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1345					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	4.68		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1741					DryWt Corrected: N
Specific Conductance	43		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	2.8		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	22		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	78		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-11 @20'**

Lab Sample ID: 700-54934-22 Date Sampled: 01/04/2011 1515
Client Matrix: Solid % Moisture: 16.9 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	2.6		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1456					DryWt Corrected: Y
TKN	87		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1357					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	5.78		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1746					DryWt Corrected: N
Specific Conductance	59		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	4.5		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	17		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	83		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-12 @1'**

Lab Sample ID: 700-54934-23 Date Sampled: 01/06/2011 0815
Client Matrix: Solid % Moisture: 20.6 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.62		mg/Kg	0.62	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1457					DryWt Corrected: Y
TKN	350		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1358					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	5.50		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1747					DryWt Corrected: N
Specific Conductance	52		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	3.2		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	21		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	79		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-12 @20'**

Lab Sample ID: 700-54934-24 Date Sampled: 01/06/2011 0850
Client Matrix: Solid % Moisture: 16.9 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	5.1		mg/Kg	0.58	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1458					DryWt Corrected: Y
TKN	110		mg/Kg	29	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1359					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	6.09		SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1750					DryWt Corrected: N
Specific Conductance	43		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	2.4		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	17		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	83		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-13 @1'**

Lab Sample ID: 700-54934-25 Date Sampled: 12/28/2010 1600
Client Matrix: Solid % Moisture: 17.2 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.59		mg/Kg	0.59	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1459					DryWt Corrected: Y
TKN	920		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1400					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	4.98	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1752					DryWt Corrected: N
Specific Conductance	47		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	2.8		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	17		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	83		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-13 @20'**

Lab Sample ID: 700-54934-26 Date Sampled: 12/28/2010 1635
Client Matrix: Solid % Moisture: 18.0 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	0.98		mg/Kg	0.61	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1500					DryWt Corrected: Y
TKN	160		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1402					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	5.48	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1754					DryWt Corrected: N
Specific Conductance	36		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	2.2		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	18		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	82		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-14 @1'**

Lab Sample ID: 700-54934-27 Date Sampled: 12/28/2010 1400
Client Matrix: Solid % Moisture: 16.7 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	2.0		mg/Kg	0.60	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1506					DryWt Corrected: Y
TKN	1900		mg/Kg	30	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1403					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	4.92	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1757					DryWt Corrected: N
Specific Conductance	140		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	5.0		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	17		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	83		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-14 @20'**

Lab Sample ID: 700-54934-28 Date Sampled: 12/28/2010 1427
Client Matrix: Solid % Moisture: 19.9 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	0.64		mg/Kg	0.62	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1507					DryWt Corrected: Y
TKN	56		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95265	Date Analyzed: 01/11/2011 1404					DryWt Corrected: Y
Prep Batch: 700-95201	Date Prepared: 01/10/2011 1510					
pH	6.15	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1759					DryWt Corrected: N
Specific Conductance	27		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	2.1		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	20		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	80		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-15 @1'**

Lab Sample ID: 700-54934-29 Date Sampled: 12/28/2010 0932
Client Matrix: Solid % Moisture: 21.2 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	<0.62		mg/Kg	0.62	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1508					DryWt Corrected: Y
TKN	890		mg/Kg	31	1.0	351.2
Analysis Batch: 700-95407	Date Analyzed: 01/14/2011 1115					DryWt Corrected: Y
Prep Batch: 700-95358	Date Prepared: 01/13/2011 1515					
pH	5.21	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1800					DryWt Corrected: N
Specific Conductance	61		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	3.2		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	21		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	79		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-15 @20'**

Lab Sample ID: 700-54934-30 Date Sampled: 12/28/2010 1008
Client Matrix: Solid % Moisture: 15.6 Date Received: 01/07/2011 1043

Analyte	Result	Qual	Units	RL	Dil	Method
Ammonia-Soluble	15		mg/Kg	0.57	1.0	350.1
Analysis Batch: 700-95317	Date Analyzed: 01/12/2011 1509					DryWt Corrected: Y
TKN	120		mg/Kg	29	1.0	351.2
Analysis Batch: 700-95407	Date Analyzed: 01/14/2011 1127					DryWt Corrected: Y
Prep Batch: 700-95358	Date Prepared: 01/13/2011 1515					
pH	7.42	H	SU	0.100	1.0	9045D
Analysis Batch: 700-95181	Date Analyzed: 01/07/2011 1803					DryWt Corrected: N
Specific Conductance	310		umhos/cm		1.0	9050A
Analysis Batch: 700-95228	Date Analyzed: 01/10/2011 1540					DryWt Corrected: N
Loss on Ignition	2.1		%	0.10	1.0	Loss On Ignit.
Analysis Batch: 700-95428	Date Analyzed: 01/11/2011 1443					DryWt Corrected: N
Percent Moisture	16		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N
Percent Solids	84		%	0.10	1.0	Moisture
Analysis Batch: 700-95376	Date Analyzed: 01/12/2011 1443					DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: W.L. Burle, Engineers, P.A. Job Number: 700-54934-1

Lab Section	Qualifier	Description
General Chemistry		
	F	MS or MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time

QUALITY CONTROL RESULTS

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Blank - Batch: 700-95317

Method: 350.1
Preparation: N/A

Lab Sample ID: MB 700-95313/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/12/2011 1510
Date Prepared: N/A
Date Leached: 01/11/2011 1420

Analysis Batch: 700-95317
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 700-95313

Instrument ID: LACHAT01
Lab File ID: OM_1-12-2011_02-39-22PM.(
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Ammonia-Soluble	<0.49		0.49

Method Reporting Limit Check - Batch: 700-95317

Method: 350.1
Preparation: N/A

Lab Sample ID: MRL 700-95317/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 01/12/2011 1445
Date Prepared: N/A

Analysis Batch: 700-95317
Prep Batch: N/A
Units: mg/L

Instrument ID: LACHAT01
Lab File ID: OM_1-12-2011_02-39-22PM.
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia-Soluble	0.0498	<0.050	78		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Blank - Batch: 700-95189

Method: 351.2
Preparation: 351.2

Lab Sample ID: MB 700-95189/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1218
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95259
Prep Batch: 700-95189
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_12-10-33PM.(
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL
TKN	<25		25

Method Reporting Limit Check - Batch: 700-95189

Method: 351.2
Preparation: 351.2

Lab Sample ID: MRL 700-95189/31-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1216
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95259
Prep Batch: 700-95189
Units: mg/L

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_12-10-33PM.
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TKN	0.203	<0.20	33		

Method Reporting Limit Check - Batch: 700-95189

Method: 351.2
Preparation: 351.2

Lab Sample ID: MRL 700-95189/31-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1226
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95259
Prep Batch: 700-95189
Units: mg/L

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_12-10-33PM.
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TKN	0.203	<0.20	54		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-95189

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID:	LCS 700-95189/3-A	Analysis Batch:	700-95259	Instrument ID:	LACHAT01
Client Matrix:	Solid	Prep Batch:	700-95189	Lab File ID:	OM_1-11-2011_12-10-33PM.(
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.1000 g
Date Analyzed:	01/11/2011 1220			Final Weight/Volume:	20 mL
Date Prepared:	01/10/2011 1510				

LCSD Lab Sample ID:	LCSD 700-95189/4-A	Analysis Batch:	700-95259	Instrument ID:	LACHAT01
Client Matrix:	Solid	Prep Batch:	700-95189	Lab File ID:	OM_1-11-2011_12-10-33PM.OI
Dilution:	1.0	Units:	mg/Kg	Initial Weight/Volume:	0.1000 g
Date Analyzed:	01/11/2011 1221			Final Weight/Volume:	20 mL
Date Prepared:	01/10/2011 1510				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
TKN	101	106	65 - 135	5	50		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95189

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	700-54934-1	Analysis Batch:	700-95259	Instrument ID:	LACHAT01
Client Matrix:	Solid	Prep Batch:	700-95189	Lab File ID:	OM_1-11-2011_12-10-33PM
Dilution:	1.0			Initial Weight/Volume:	0.1016 g
Date Analyzed:	01/11/2011 1224			Final Weight/Volume:	20 mL
Date Prepared:	01/10/2011 1510				

MSD Lab Sample ID:	700-54934-1	Analysis Batch:	700-95259	Instrument ID:	LACHAT01
Client Matrix:	Solid	Prep Batch:	700-95189	Lab File ID:	OM_1-11-2011_12-10-33PM.(
Dilution:	1.0			Initial Weight/Volume:	0.1013 g
Date Analyzed:	01/11/2011 1248			Final Weight/Volume:	20 mL
Date Prepared:	01/10/2011 1510				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
TKN	119	119	65 - 135	0	50		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Blank - Batch: 700-95201

Method: 351.2
Preparation: 351.2

Lab Sample ID: MB 700-95201/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1341
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95265
Prep Batch: 700-95201
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_01-33-24PM.(
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL
TKN	<25		25

Method Reporting Limit Check - Batch: 700-95201

Method: 351.2
Preparation: 351.2

Lab Sample ID: MRL 700-95201/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1339
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95265
Prep Batch: 700-95201
Units: mg/L

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_01-33-24PM.
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TKN	0.203	<0.20	44		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-95201

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID: LCS 700-95201/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1343
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95265
Prep Batch: 700-95201
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_01-33-24PM.(
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

LCSD Lab Sample ID: LCSD 700-95201/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1344
Date Prepared: 01/10/2011 1510

Analysis Batch: 700-95265
Prep Batch: 700-95201
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-11-2011_01-33-24PM.OI
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
TKN	102	97	65 - 135	5	50		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95201

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	700-54934-21	Analysis Batch: 700-95265	Instrument ID: LACHAT01
Client Matrix:	Solid	Prep Batch: 700-95201	Lab File ID: OM_1-11-2011_01-33-24PM
Dilution:	1.0		Initial Weight/Volume: 0.1019 g
Date Analyzed:	01/11/2011 1346		Final Weight/Volume: 20 mL
Date Prepared:	01/10/2011 1510		

MSD Lab Sample ID:	700-54934-21	Analysis Batch: 700-95265	Instrument ID: LACHAT01
Client Matrix:	Solid	Prep Batch: 700-95201	Lab File ID: OM_1-11-2011_01-33-24PM.(
Dilution:	1.0		Initial Weight/Volume: 0.1015 g
Date Analyzed:	01/11/2011 1354		Final Weight/Volume: 20 mL
Date Prepared:	01/10/2011 1510		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
TKN	111	109	65 - 135	1	50		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Blank - Batch: 700-95358

Method: 351.2
Preparation: 351.2

Lab Sample ID: MB 700-95358/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/14/2011 1109
Date Prepared: 01/13/2011 1515

Analysis Batch: 700-95407
Prep Batch: 700-95358
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-14-2011_11-01-59AM.(
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL
TKN	<25		25

Method Blank - Batch: 700-95358

Method: 351.2
Preparation: 351.2

Lab Sample ID: MB 700-95358/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/14/2011 1110
Date Prepared: 01/13/2011 1515

Analysis Batch: 700-95407
Prep Batch: 700-95358
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-14-2011_11-01-59AM.(
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL
TKN	<25		25

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Reporting Limit Check - Batch: 700-95358

Method: 351.2
Preparation: 351.2

Lab Sample ID: MRL 700-95358/13-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/14/2011 1106
Date Prepared: 01/13/2011 1515

Analysis Batch: 700-95407
Prep Batch: 700-95358
Units: mg/L

Instrument ID: LACHAT01
Lab File ID: OM_1-14-2011_11-01-59AM.
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TKN	0.101	0.213	210		

Method Reporting Limit Check - Batch: 700-95358

Method: 351.2
Preparation: 351.2

Lab Sample ID: MRL 700-95358/14-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/14/2011 1123
Date Prepared: 01/13/2011 1515

Analysis Batch: 700-95407
Prep Batch: 700-95358
Units: mg/L

Instrument ID: LACHAT01
Lab File ID: OM_1-14-2011_11-01-59AM.
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
TKN	0.203	<0.20	91		

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 700-95358

Method: 351.2
Preparation: 351.2

LCS Lab Sample ID: LCS 700-95358/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/14/2011 1124
Date Prepared: 01/13/2011 1515

Analysis Batch: 700-95407
Prep Batch: 700-95358
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-14-2011_11-01-59AM.(
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

LCSD Lab Sample ID: LCSD 700-95358/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/14/2011 1125
Date Prepared: 01/13/2011 1515

Analysis Batch: 700-95407
Prep Batch: 700-95358
Units: mg/Kg

Instrument ID: LACHAT01
Lab File ID: OM_1-14-2011_11-01-59AM.OI
Initial Weight/Volume: 0.1000 g
Final Weight/Volume: 20 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
TKN	105	109	65 - 135	4	50		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 700-95358

Method: 351.2
Preparation: 351.2

MS Lab Sample ID:	700-54934-29	Analysis Batch:	700-95407	Instrument ID:	LACHAT01
Client Matrix:	Solid	Prep Batch:	700-95358	Lab File ID:	OM_1-14-2011_11-01-59AM
Dilution:	1.0			Initial Weight/Volume:	0.1021 g
Date Analyzed:	01/14/2011 1116			Final Weight/Volume:	20 mL
Date Prepared:	01/13/2011 1515				

MSD Lab Sample ID:	700-54934-29	Analysis Batch:	700-95407	Instrument ID:	LACHAT01
Client Matrix:	Solid	Prep Batch:	700-95358	Lab File ID:	OM_1-14-2011_11-01-59AM.(
Dilution:	1.0			Initial Weight/Volume:	0.1020 g
Date Analyzed:	01/14/2011 1118			Final Weight/Volume:	20 mL
Date Prepared:	01/13/2011 1515				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
TKN	167	160	65 - 135	2	50	F	F

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Duplicate - Batch: 700-95181

Method: 9045D
Preparation: N/A

Lab Sample ID: 700-54934-A-1 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2011 1635
Date Prepared: N/A

Analysis Batch: 700-95181
Prep Batch: N/A
Units: SU

Instrument ID: AUTOTITRATOR
Lab File ID: ph_01_07a_2011.txt
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.97	6.220	4.102		

Duplicate - Batch: 700-95181

Method: 9045D
Preparation: N/A

Lab Sample ID: 700-54934-11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2011 1712
Date Prepared: N/A

Analysis Batch: 700-95181
Prep Batch: N/A
Units: SU

Instrument ID: AUTOTITRATOR
Lab File ID: ph_01_07a_2011.txt
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.40	5.350	0.930		

Duplicate - Batch: 700-95181

Method: 9045D
Preparation: N/A

Lab Sample ID: 700-54934-21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/07/2011 1744
Date Prepared: N/A

Analysis Batch: 700-95181
Prep Batch: N/A
Units: SU

Instrument ID: AUTOTITRATOR
Lab File ID: ph_01_07a_2011.txt
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	4.68	4.760	1.69		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Blank - Batch: 700-95227

Method: 9050A
Preparation: N/A

Lab Sample ID: MB 700-95227/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/10/2011 1440
Date Prepared: N/A

Analysis Batch: 700-95227
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Other
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	0.130		

Duplicate - Batch: 700-95227

Method: 9050A
Preparation: N/A

Lab Sample ID: 700-54934-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/10/2011 1440
Date Prepared: N/A

Analysis Batch: 700-95227
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Other
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	47	47.0	0		

Duplicate - Batch: 700-95227

Method: 9050A
Preparation: N/A

Lab Sample ID: 700-54934-A-20 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/10/2011 1440
Date Prepared: N/A

Analysis Batch: 700-95227
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Other
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance		39.0			

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Method Blank - Batch: 700-95228

Method: 9050A
Preparation: N/A

Lab Sample ID: MB 700-95228/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/10/2011 1540
Date Prepared: N/A

Analysis Batch: 700-95228
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Other
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	0.630		

Duplicate - Batch: 700-95228

Method: 9050A
Preparation: N/A

Lab Sample ID: 700-54934-30
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/10/2011 1540
Date Prepared: N/A

Analysis Batch: 700-95228
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Other
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	310	310	0.3		

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Duplicate - Batch: 700-95427

Method: Loss On Ignit.
Preparation: N/A

Lab Sample ID: 700-54934-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/12/2011 1345
Date Prepared: N/A

Analysis Batch: 700-95427
Prep Batch: N/A
Units: %

Instrument ID: BALANCE1
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Loss on Ignition	3.8	3.79	1	20	

Duplicate - Batch: 700-95427

Method: Loss On Ignit.
Preparation: N/A

Lab Sample ID: 700-54934-A-15 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/12/2011 1345
Date Prepared: N/A

Analysis Batch: 700-95427
Prep Batch: N/A
Units: %

Instrument ID: BALANCE1
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Loss on Ignition		3.97			

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Duplicate - Batch: 700-95428

Method: Loss On Ignit.
Preparation: N/A

Lab Sample ID: 700-54934-30
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/11/2011 1443
Date Prepared: N/A

Analysis Batch: 700-95428
Prep Batch: N/A
Units: %

Instrument ID: BALANCE1
Lab File ID: N/A
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 1.0 g

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Loss on Ignition	2.1	2.05	1	20	

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Duplicate - Batch: 700-95372

Method: Moisture
Preparation: N/A

Lab Sample ID: 700-54934-10
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/12/2011 1345
Date Prepared: N/A

Analysis Batch: 700-95372
Prep Batch: N/A
Units: %

Instrument ID: BALANCE1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	18	19	3	25	
Percent Solids	82	81	0.8	25	

Duplicate - Batch: 700-95372

Method: Moisture
Preparation: N/A

Lab Sample ID: 700-54934-A-15 DU
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/12/2011 1345
Date Prepared: N/A

Analysis Batch: 700-95372
Prep Batch: N/A
Units: %

Instrument ID: BALANCE1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture		21			
Percent Solids		79			

Client: W.L. Burle, Engineers, P.A.

Job Number: 700-54934-1

Duplicate - Batch: 700-95376

Method: Moisture
Preparation: N/A

Lab Sample ID: 700-54934-30
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 01/12/2011 1443
Date Prepared: N/A

Analysis Batch: 700-95376
Prep Batch: N/A
Units: %

Instrument ID: BALANCE1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	16	17	6	25	
Percent Solids	84	83	1	25	

W. L. BURLE ENGINEERS, P.A.
111 South Walnut Street
GREENVILLE, MS 38701

SAMPLE CHAIN OF CUSTODY RECORD

Client: Jacobs

Project Description: Jacobs

ATTN: Test America

Sampler (Signature) [signature] Neil Mazzank

Page 2 of 3

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION	PH	Resistivity	Ammonia	TKN	Organic Content	Moisture										REMARKS:
SB-6 @ 1ft	12-29-10	8:15	1-902 Soil	X	X	X	X	X	X										
SB-6 @ 20ft	12-29-10	8:53	↓	↓	↓	↓	↓	↓	↓										
SB-7 @ 1ft	1-6-11	11:08	↓	↓	↓	↓	↓	↓	↓										
SB-7 @ 20ft	1-6-11	11:40	↓	↓	↓	↓	↓	↓	↓										
SB-8 @ 1ft	1-5-11	11:07	2-802 Jar Soil	↓	↓	↓	↓	↓	↓										
SB-8 @ 20ft	1-5-11	11:40	2-802 Jar Soil	↓	↓	↓	↓	↓	↓										
SB-9 @ 1ft	1-4-11	10:30	1-902 Soil	↓	↓	↓	↓	↓	↓										
SB-9 @ 20ft	1-4-11	11:17	↓	↓	↓	↓	↓	↓	↓										
SB-10 @ 1ft	1-5-11	8:00	↓	↓	↓	↓	↓	↓	↓										
SB-10 @ 20ft	1-5-11	8:56	↓	↓	↓	↓	↓	↓	↓										

Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)
[signature]	1/7/11	10:46	[signature]	1/7/11	1043	[signature]	1/7/11	1043	[signature]	1/7/11	10:43
Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	REMARKS:					

700-54934
2.1°C 5592
NCM# 22386

ORIGINAL WHITE - REPORT
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PINK COPY - ENGINEER

SAMPLE CHAIN OF CUSTODY RECORD

W. L. BURLE ENGINEERS, P.A.
111 South Walnut Street
GREENVILLE, MS 38701

Client: Jacobs

Project Description: Jacobs

ATTN:

Sampler (Signature) Neil Mazzant

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION	NO. OF SAMPLE CONTAINERS: pH	Resistivity	Ammonia	TKN	Organic Content	Moisture	REMARKS:
SB-11 @ 1ft	1-4-11	14:23	1-9oz Soil	X	X	X	X	X	X	
SB-11 @ 20ft	1-4-11	15:15								
SB-12 @ 1ft	1-6-11	8:15								
SB-12 @ 20 ft	1-6-11	8:50								
SB-13 @ 1ft	12-28-10	16:00								
SB-13 @ 20ft	12-28-10	16:35								
SB-14 @ 1ft	12-28-10	14:00								
SB-14 @ 20 ft	12-28-10	14:27								
SB-15 @ 1ft	12-28-10	9:32								
SB-15 @ 20ft	12-28-10	10:08								

Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)
	1/7/11	10:43		1/7/11	1043		1/7/11	1043		1/7/11	10:43
Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	REMARKS:					

700 - 54934
Nam # 22386 2.1°C 5592

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SAMPLE CHAIN OF CUSTODY RECORD

W. L. BURLE ENGINEERS, P.A.
111 South Walnut Street
GREENVILLE, MS 38701

Client: Jacobs

Project Description: Jacobs

ATTN: Test America

Sampler (Signature) Neil Mazzanti

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION	NO. OF SAMPLE CONTAINERS	pH	resistivity	Ammonia	TKN	Organic content	Moisture	REMARKS:
SB-1 @ 1ft	1-5-11	15:03	1-9oz Soil		X	X	X	X	X	X	
SB-1 @ 20ft	1-5-11	15:30									
SB-2 @ 1ft	1-4-11	7:49									
SB-2 @ 20ft	1-4-11	8:25									
SB-3 @ 1ft	12-29-10	9:54	2-8oz Jar Soil								
SB-3 @ 20ft	12-29-10	10:27	2-8oz Jar Soil								
SB-4 @ 1ft	12-29-10	11:15	2-8oz Jar Soil								
SB-4 @ 20ft	12-29-10	11:45	2-8oz Jar Soil								
SB-5 @ 1ft	1-6-11	14:15	1-9oz Soil								
SB-5 @ 20ft	1-6-11	14:50	1-9oz Soil								

Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)
	1/7/11	10:44		1/7/11	1044		1/7/11	1044		1/7/11	1043
Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	REMARKS:					

2.1°C (5592)

Nam# 2286 700-54934

01/24/2011

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APPENDIX D

GROUNDWATER LABORATORY RESULTS

LELAP Certification # 01960

MICRO-METHODS
LABORATORY, INC.

6500 Sunplex Drive
Ocean Springs, MS 39564
228.875.6420 Phone
228.875.6423 Fax

February 04, 2011

Neil Mazzanti

Work Order # : 1101397

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville, MS 38701

Purchase Order #:

RE: Port Hudson

Enclosed are Micro-Methods Laboratory, Inc. results of analyses performed on samples received 01/27/11 14:35. If you have any questions concerning this report, please feel free to contact the office.

Sincerely,

Harry P. Howell

Harry P. Howell

President
Micro-Methods Laboratory, Inc.

MICRO-METHODS
LABORATORY, INC.

6500 Sunplex Drive
Ocean Springs, MS 39564
228-875-6420 Phone
228-875-6423 Fax

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date/Time Sampled	Sampled by	Date/Time Received
MW-1	1101397-01	Water	01/27/11 10:15	*Neil Mazzanti*	01/27/11 14:35
MW-2	1101397-02	Water	01/27/11 09:30	*Neil Mazzanti*	01/27/11 14:35
MW-3	1101397-03	Water	01/27/11 11:10	*Neil Mazzanti*	01/27/11 14:35
MW-4	1101397-04	Water	01/27/11 10:55	*Neil Mazzanti*	01/27/11 14:35
MW-5	1101397-05	Water	01/27/11 09:00	*Neil Mazzanti*	01/27/11 14:35
MW-6	1101397-06	Water	01/27/11 10:05	*Neil Mazzanti*	01/27/11 14:35
MW-8	1101397-07	Water	01/27/11 11:20	*Neil Mazzanti*	01/27/11 14:35
MW-9	1101397-08	Water	01/27/11 10:45	*Neil Mazzanti*	01/27/11 14:35
MW-10	1101397-09	Water	01/27/11 10:30	*Neil Mazzanti*	01/27/11 14:35

Sample Receipt Conditions

Date/Time Received: 1/27/2011 2:35:00PM
Received by: Paul D. Gatchell
Date/Time Logged: 1/27/2011 2:54:00PM
Cooler ID: **Default Cooler**

Shipped by: Client Delivery
Submitted by: Neil Mazzanti
Logged by: Paul D. Gatchell
Receipt Temperature: 4.00 °C

Custody Seals	*No*	*Received on Ice*	*Yes*
Containers Intact	*Yes*	*No Ice, Short Trip*	*No*
COC/Labels Agree	*Yes*	*Obvious Contamination*	*No*
Labels Complete	*No*	*Rush to meet HT*	*No*
COC Complete	*Yes*		

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W. L. Burle Engineers, P.A. 111 South Walnut St. Greenville MS, 38701	Project: Port Hudson Project Number: [none] Project Manager: Neil Mazzanti	**Reported:** 02/04/11 08:20

CASE NARRATIVE SUMMARY

All reported results are within Micro-Methods Laboratory, Inc.defined laboratory quality control objectives unless detailed in narrative summary or identified as qualifications. NOTE: All results listed on this report are calculated on a wet weight basis (as received by the laboratory) unless otherwise noted in the analysis qualification sections.

Summary Comments: *No Summary Comments*

Qualification: *No Data Qualification*

Analyte & Samples(s) Qualified: *None*

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W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 1

1101397-01 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**45.0**	2.14	mg/L	1	1B01005	DLW	01/28/11 14:32	01/28/11 14:32	SM 4110B	

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111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 2

1101397-02 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**28.0**	2.14	mg/L	1	1B01005	DLW	01/28/11 14:51	01/28/11 14:51	SM 4110B	

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111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 3

1101397-03 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**15.0**	2.14	mg/L	1	1B01006	DLW	01/31/11 13:25	01/31/11 13:25	SM 4110B	

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111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 4

1101397-04 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**9.51**	2.14	mg/L	1	1B01005	DLW	01/28/11 15:25	01/28/11 15:25	SM 4110B	

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228-875-6423 Fax

W. L. Burle Engineers, P.A.	Project: Port Hudson	
111 South Walnut St.	Project Number: [none]	**Reported:**
Greenville MS, 38701	Project Manager: Neil Mazzanti	02/04/11 08:20

MW- 5

1101397-05 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**32.0**	2.14	mg/L	1	1B01006	DLW	01/31/11 10:40	01/31/11 10:40	SM 4110B	

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W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 6

1101397-06 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**34.0**	2.14	mg/L	1	1B01006	DLW	01/31/11 10:59	01/31/11 10:59	SM 4110B	

MICRO-METHODS
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228-875-6423 Fax

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 8

1101397-07 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**22.0**	2.14	mg/L	1	1B01006	DLW	01/31/11 11:18	01/31/11 11:18	SM 4110B	

MICRO-METHODS
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228-875-6423 Fax

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 9

1101397-08 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**24.0**	2.14	mg/L	1	1B01006	DLW	01/31/11 11:37	01/31/11 11:37	SM 4110B	

MICRO-METHODS LABORATORY, INC.

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Ocean Springs, MS 39564
228-875-6420 Phone
228-875-6423 Fax

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

MW- 10

1101397-09 (Water)

Analyte	Result	MRL	Units	Dil	Batch	Analyst	Date Time Prepared	Date Time Analyzed	Method	Notes
Classical Chemistry Parameters										
Sulfate as SO4	**62.0**	2.14	mg/L	1	1B01006	DLW	01/31/11 12:17	01/31/11 12:17	SM 4110B	

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228-875-6423 Fax

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

Classical Chemistry Parameters - Quality Control

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1B01005 - Default Prep GenChem										
Blank (1B01005-BLK1)						***Prepared & Analyzed: 01/28/11***				
Sulfate as SO4	ND	2.14	mg/L							
LCS (1B01005-BS1)						***Prepared & Analyzed: 01/28/11***				
Sulfate as SO4	8.96		mg/L	10.0		89.6	75.5-135		30	
LCS Dup (1B01005-BSD1)						***Prepared & Analyzed: 01/28/11***				
Sulfate as SO4	8.95		mg/L	10.0		89.5	75.5-135	0.112	30	
Duplicate (1B01005-DUP1)	**Source: 1101397-04**					***Prepared & Analyzed: 01/28/11***				
Sulfate as SO4	9.70	2.14	mg/L		9.51			1.98	20.6	
Batch 1B01006 - Default Prep GenChem										
Blank (1B01006-BLK1)						***Prepared & Analyzed: 01/31/11***				
Sulfate as SO4	ND	2.14	mg/L							
LCS (1B01006-BS1)						***Prepared & Analyzed: 01/31/11***				
Sulfate as SO4	9.86		mg/L	10.0		98.6	75.5-135		30	
LCS Dup (1B01006-BSD1)						***Prepared & Analyzed: 01/31/11***				
Sulfate as SO4	9.70		mg/L	10.0		97.0	75.5-135	1.64	30	
Duplicate (1B01006-DUP1)	**Source: 1101397-09**					***Prepared & Analyzed: 01/31/11***				
Sulfate as SO4	63.0	2.14	mg/L		62.0			1.60	20.6	

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W. L. Burle Engineers, P.A.	Project: Port Hudson	
111 South Walnut St.	Project Number: [none]	**Reported:**
Greenville MS, 38701	Project Manager: Neil Mazzanti	02/04/11 08:20

Certified Analyses Included in this Report

Analyte	Certification Code
SM 4110B In Water	
Sulfate as SO4	C01,C02

MICRO-METHODS LABORATORY, INC.

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228-875-6420 Phone
228-875-6423 Fax

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

Laboratory Accreditations/Certifications

Code	Description	Number	Expires
C01	La Environmental Lab Accreditation Program	01960	06/30/2011
C02	National Environmental Lab Accreditation Program		06/30/2011
C03	Ms Dept of Health (Coliform)	MS00007	11/30/2012
C04	Ms Dept of Health (Drinking Water Certificate)	MS00021-2009	06/30/2011
C05	Ms DEQ Lead Firm Certification	PBF-00000028	10/18/2011
C06	MsDEQ Asbestos Inspector : C.D. Bingham	ABI-00001348	04/22/2011
C07	MsDEQ Air Monitor : C.D. Bingham	AM-011572	04/23/2011
C08	MsDEQ Asbestos Inspector: C. W. Meins	ABI-00001821	09/02/2011
C09	MsDEQ Air Monitor : C.W. Meins	AM-011189	04/23/2011
C10	MsDEQ Asbestos Inspector : C.E.Harris	ABI-00002378	01/13/2012
C11	MsDEQ Air Monitor : C.E. Harris	ABM-00002015	10/29/2011
C12	MsDEQ Asbestos Inspector : H.P. Howell	ABI-00001345	04/22/2011
C13	MsDEQ Air Monitor: H.P. Howell	ABM-00001344	04/23/2011

Report Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the minimum reporting limit
NR	Not Reported
RPD	Relative Percent Difference
ICV	Initial Calibration Verfiication
CCV	Continuing Calibration Verification Standard
SSV	Secondary Source Verfication Standard
LCS	Lab Control Spike - Lab matrix prepared with known concentration of analyte/s of interest analyzed by method.
MS	Matrix Spike - Sample prepared with known concentration of analyte/s of interest analyzed by method.
MSD	Matrix Spike Duplicate - Duplicate sample prepared with known concentration of anlayte/s of interest analyzed by method.
MRL	Minimum Reporting Limit
%REC	Percentage Recovery of known concentration added to matrix
Batch	Group of samples prepared for analysis not to exceed 20 samples.
Matrix	Material containing analyte/s of interest
Surrogate	Analyte added to sample to determine extraction efficiency of method.

W. L. Burle Engineers, P.A.
111 South Walnut St.
Greenville MS, 38701

Project: Port Hudson
Project Number: [none]
Project Manager: Neil Mazzanti

Reported:
02/04/11 08:20

SAMPLE CHAIN OF CUSTODY RECORD

4.0°C #1
RG 11/27/11
@ 14:35

W. L. BURLE ENGINEERS, P.A.
111 South Walnut Street
GREENVILLE, MS 38701

Client: Jacobs

Project Description: Port Hudson

ATTN: Micro Methods

1101397

Sampler (Signature) [signature] Neil Mazzanti

NO. OF SAMPLE CONTAINERS: Sulfate

Page 1 of 1

STATION	DATE	TIME (Military)	SAMPLE DESCRIPTION	Sulfate	REMARKS:
MW-1	1-27-11	10:15	1-250ml H_2O	X	
MW-2	↓	9:30	↓	↓	
MW-3	↓	11:10	↓	↓	
MW-4	↓	10:55	↓	↓	
MW-5	↓	9:00	↓	↓	
MW-6	↓	10:05	↓	↓	
MW-8	↓	11:20	↓	↓	
MW-9	↓	10:45	↓	↓	
MW-10	↓	10:30	↓	↓	

Relinquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	Relinquished by (Signature):	Date	Time (Military)	Received by (Signature):	Date	Time (Military)
[signature]	1/27/11	14:35	[signature]	1/27/11	14:35						
Reliquished by (Signature)	Date	Time (Military)	Received by (Signature):	Date	Time (Military)	REMARKS:					

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APPENDIX E

SCOPE OF WORK

Attachment A

W.L. BURLE
ENGINEERS, P.A.

September 24, 2010

Mr. William M. Romzick
Jacobs Engineering Group, Inc.
180 Promenade Circle
Suite 300
Sacramento, CA 95834

Re: Revised Proposal/Agreement - Geotechnical Investigation and Engineering Report
103 Acre Parcel
Port Hudson National Cemetery
Zachary, LA

Dear Mr. Romzick:

INTRODUCTION:

W. L. Burle, Engineers, P.A. (BURLE) is pleased to submit this revised proposal for completing a geotechnical investigation and engineering report for the referenced project. The proposal was requested by Jacobs Engineering Group, Inc. (JACOBS) on August 31, 2010. The proposed project will consist of the preparation of a geotechnical investigation and engineering report for a 103 acre parcel designated as the site for the Port Hudson National Cemetery Annex in Zachary, LA.

SCOPE OF WORK:

The project will be performed in accordance with the Scope of Work (SOW) documented in correspondence from JACOBS and amended by BURLE (Exhibit C).

In general, the SOW will involve:

- Having a geotechnical engineer perform a site reconnaissance of the project site;
- Obtaining a dig permit from the local authority;
- Contacting Louisiana One Call and having the utilities marked by member firms;
- Mobilizing a geologist, a truck-mounted HSA drill rig and service vehicle to the project site;
- Drilling and sampling ten (10) borings to depths of 8' below ground surface (bgs), or refusal whichever comes first;
- Drilling and sampling five (5) borings to depths of 20' bgs, or refusal whichever occurs first;

111 S. Walnut Street · P.O. Box 1293 · Greenville, MS 38702-1293
662.332.2619 · Fax 662.332.2622 · www.wlburle.com

- Drilling and sampling ten (10) borings to depths of 40' bgs, or refusal whichever occurs first;
- Installing 2" PVC piezometers in four (4) of the 20' borings. Each piezometer will have a locking cap and a flush-to-ground surface manhole;
- Installing 2" PVC piezometers in six (6) of the 40' borings. Each piezometer will have a locking cap and a flush-to-ground surface manhole;
- Abandoning the remaining boreholes in accordance with Louisiana Department of Natural Resources' protocol;
- Obtaining groundwater elevations and samples from each piezometer and testing the samples for resistivity, sulfates, carbon dioxide and pH;
- Performing six (6) percolation tests at each of two (2) leach field sites;
- Testing the soil samples to determine soil classification and characteristics;
- Preparing a geotechnical investigation report;
- Having a geotechnical engineer review the project plans and specifications prior to JACOBS' submittal of same to the VA and providing a letter summarizing the comments; and
- Having a geotechnical engineer available for consultation services and project management meetings after the geotechnical investigation report is issued.

SCHEDULE:

BURLE will provide these services in accordance with JACOBS' schedule.

COMPENSATION:

The cost to provide these services is a lump sum fee of [redacted]. The work will be invoiced upon completion. Payment is due upon receipt of the report. Accounts unpaid 30 days after the invoice date will be subject to a monthly charge of 1.5% on the balance due. In the event any portion of the account remains unpaid 60 days after the invoice date, collection action will be implemented and the client will be held responsible for all costs associated with collections, including legal fees.

CONDITIONS:

The following conditions qualify the proposal:

- The qualifying items (assumptions) noted in JACOBS' SOW (Exhibit C) are in effect.
- BURLE's Health and Safety Plan (HSP) complies with JACOBS' HSP.
- BURLE's insurance coverage complies with JACOBS' requirements.
- The project site is accessible to our drill rig and service vehicle.
- Auger clippings from the drilling operation can be stored on-site.
- The proposal/agreement is subject to the BURLE's General Conditions (Exhibit A) which are enclosed and made a part of this proposal/agreement.
- This proposal/agreement is valid for 30 days.

If actual conditions differ from those described, you will be notified immediately and the proposal will either be withdrawn or amended to address the situation(s).

ACCEPTANCE OF PROPOSAL:

If this proposal meets with your approval, please return a signed copy of Exhibit B and/or issue a purchase order incorporating the terms of the agreement.

Sincerely,

W. L. BURLE, ENGINEERS, P.A.

William L. Burle, Jr., Ph.D., P.E., P.G., BCEE

WLB/mhl

Enclosures

EXHIBIT A

W. L. BURLE, ENGINEERS, P.A.
GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: "W. L. Burle, Engineers, P.A., (BURLE)" shall include said company, its particular division, subsidiary or affiliate performing the work. "Work" means the specific engineering design, geotechnical, environmental, or other services(s) performed by BURLE for client as set forth in BURLE's proposal or at client's direction "This agreement" consists of BURLE's proposal or work order, BURLE's Schedule of Fees, client's written acceptance thereof if accepted by BURLE, and these General Conditions. "Client" refers to the person or business entity ordering the work to be done by BURLE. If client is ordering the work on behalf of another, client represents and warrants that client is the duly authorized agent of said party for the purpose of ordering and directing said work and in such case the term "client" also includes the principal for whom the work being performed. Prices quoted and charged by BURLE for its work are predicated upon the conditions and the allocations of risks and obligations expressed in this agreement. Unless this agreement specifically provides that BURLE is to perform its work pursuant to specified Federal, State, or local regulations, client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by client is adequate and sufficient for client's intended purpose. Client assumes, and agrees to indemnify BURLE from all third-party liabilities, and shall communicate these General Conditions to each and every third party to whom client transmits any part of BURLE's work product(s). BURLE shall have no duty or obligation to any party other than those duties and obligations expressly set forth in this agreement. Ordering work from BURLE shall constitute acceptance of the terms of this agreement.

2. RESPONSIBILITY: Work shall not include determining, supervising or implementing the means, methods techniques sequences or procedures of construction, nor evaluating, reporting or affecting job conditions concerning health, safety or welfare, unless specifically required in the scope of work. BURLE's work or failure to perform shall not in any way excuse client or any contractor, subcontractor or supplier from performance of its responsibilities in accordance with this agreement or the contract documents.

3. OWNERSHIP OF DOCUMENTS: All documents including Drawings, Reports, and Specifications prepared or furnished by BURLE's independent professional associates and consultants are instruments of service and BURLE shall retain an ownership and property interest therein. Any reuse without written verification or adaptation by BURLE for the specific purpose intended will be at Client's sole risk.

4. OPINIONS OF COST: As BURLE has no control over the cost of labor, materials, equipment or services furnished by others or over the Contractor(s)' methods of determining prices, or over competitive bidding or market conditions, opinions of probable costs cannot and do not guarantee that proposals, bids or actual total project or construction costs will not vary from opinions of probable cost prepared by BURLE.

5. HAZARDOUS MATERIALS: BURLE's work may include limited visual observation, laboratory analyses or physical testing of samples of subsurface and other materials for the purpose of detection, quantification, or identification of the extent, if any, of contamination of subsurface soils or ground water by "hazardous materials", defined elsewhere in this agreement, or being those materials defined as such by RCRA, 42 USC or those identified as such by a state or the Federal EPA, as more specifically stated in BURLE's proposal. Nothing contained within this agreement shall be construed or interpreted as requiring BURLE to assume the status of an owner, operator, generator, storer, transporter, treater or disposal facility as those terms appear within RCRA,CERCLA or within any Federal or State statute or regulation governing the generation, handling, transport, treatment, storage and disposal of pollutants. Client assumes full responsibility for compliance with the provisions of RCRA and any other Federal or State statute or regulation governing the handling, transport, treatment, storage and disposal of pollutants.

6. SCHEDULING OF WORK: The work as set forth in BURLE's proposal will be accomplished in a timely and workmanlike manner by BURLE personnel. If BURLE is required to delay any part of its work to accommodate the requests or requirements of client, regulatory agencies, or third parties or due to any causes beyond the direct reasonable control of BURLE, additional charges may apply, which client agrees to pay.

7. SITE ACCESS, RESTORATION, & DUTY TO NOTIFY: Client will arrange and provide access to each site upon which it will be necessary for BURLE to perform its work. In the event work is required on any site not owned by client, client represents and warrants to BURLE that client has obtained all necessary permissions for BURLE to enter upon the site and conduct its work. Client shall, upon request, provide BURLE with evidence of such permission as well as acceptance of the other terms and conditions set forth herein by the owner(s) and tenant(s), if applicable, of such site(s) in a form acceptable to BURLE. Any work performed by BURLE to obtain permission to enter upon and do work on the lands of others as well as any work performed by BURLE pursuant to this agreement shall be deemed as being done on behalf of client and client agrees to assume all risks thereof. BURLE shall take reasonable measures and precautions to minimize damage to each site and any improvements located thereon as the result of its work and the use of its equipment; however, BURLE has not included in its fee the cost of restoration of damage which may occur. If client or the possessor of any interest in any site desires or requires BURLE to restore site to its former conditions, upon written request of client, BURLE will perform such additional work as is necessary and client agrees to pay BURLE the cost thereof plus BURLE's normal mark-up for overhead and profit. BURLE shall be under no obligation to inform other parties of its activities or discoveries, but shall not be held liable, even if negligent in doing so. Client further recognizes that knowledge of such suspected or actual condition may result in a reduction in a property's value and may provide incentive to owners of properties affected to initiate legal action against client and/or others.

8. CLIENT'S DUTY TO NOTIFY BURLE: Client represents and warrants that he has advised BURLE of any known or suspected hazardous materials, utility lines, underground or overhead structures, and pollutants at any site at which BURLE is to do work hereunder, and unless BURLE has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits, CLIENT AGREES TO RELEASE, DEFEND, INDEMNIFY AND HOLD HARMLESS BURLE FROM ALL CLAIMS, SUITS, LOSSES, COSTS AND EXPENSES, ("DAMAGES") INCLUDING REASONABLE ATTORNEYS FEES AS A RESULT OF PERSONAL INJURY, DEATH OR PROPERTY DAMAGE OCCURRING WITH RESPECT TO BURLE'S PERFORMANCE OF ITS WORK AND RESULTING FROM OR CAUSED BY CONTACT WITH SUBSURFACE OR LATENT OBJECTS, STRUCTURES, LINES OR CONDUITS WHERE THE ACTUAL OR POTENTIAL PRESENCE AND LOCATION THEREOF WAS NOT REVEALED TO BURLE BY CLIENT REGARDLESS OF WHETHER OR NOT SUCH DAMAGES ARE THE RESULT OF BURLE'S NEGLIGENCE IN WHOLE OR IN PART.

9. LIMITATIONS OF PROCEDURES, EQUIPMENT AND TESTS: Information obtained from observation, analysis and testing of sample materials shall be reported on boring logs or other test reports and may be considered evidence with respect to the detection, quantification and identification of pollutants, but any inference or conclusion based thereon is an opinion based upon engineering judgment and shall not be construed as a representation of fact. Ground water levels and composition may vary due to seasonal and climatic changes and extrinsic conditions and, unless sampling and testing are conducted over an extended period of time, pollutants contained therein may escape detection. A site at which pollutants are not found to exist or at the time of inspection do not in fact exist, may later, due to intervening causes such as natural ground water flows or human intervention, become contaminated. There is a risk that sampling techniques may themselves result in contamination of certain subsurface areas such as when a probe or boring device moves through a contaminated area linking it to an aquifer, underground stream or other hydrous body not previously contaminated. Because the risks set forth in this paragraph may be unavoidable and because the sampling techniques to be employed are a necessary aspect of BURLE's work on client's behalf, client agrees to assume these risks.

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10. DISCOVERY OF UNANTICIPATED POLLUTANTS: The discovery of certain pollutants may make it necessary for BURLE to take immediate measures to protect health and safety. Client agrees to reimburse reasonable cost of implementing such measures under the circumstances. BURLE agrees to notify client as soon as practically possible should such pollutants be suspected or discovered.

11. SOIL AND SAMPLE DISPOSAL: Unless otherwise agreed in writing, soils known at the time to be contaminated will be placed in containers, labeled and left on the site for proper disposition by client. Samples removed by BURLE for laboratory testing will, upon completion of testing, be disposed by the laboratory in an approved manner or returned to the site for disposal by others.

12. STANDARD OF CARE: BURLE's work will be performed, its findings obtained and its reports prepared in accordance with this agreement and with generally accepted principles and practices. In performing its professional services BURLE will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession in the community. THIS IS IN LIEU OF ALL WARRANTEES OTHER REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED. STATEMENTS MADE IN BURLE REPORTS ARE OPINIONS BASED ON ENGINEERING JUDGEMENT AND ARE NOT TO BE CONSTRUED AS REPRESENTATIONS OF FACT.

13. HOLD HARMLESS AND LIMITATION OF LIABILITY: BURLE's commitments as set forth in this agreement are based on the expectation that all of the services described in this Agreement will be provided. In the event Client later elects to reduce BURLE's scope of services, Client hereby agrees to release, hold harmless, defend and indemnify BURLE from any and all claims, damages, losses or costs associated with or arising out of such reduction in services.

IF BURLE OR ANY OF ITS PROFESSIONAL EMPLOYEES IS FOUND TO HAVE BEEN NEGLIGENT IN THE PERFORMANCE OF ITS WORK, OR TO HAVE MADE AND BREACHED ANY EXPRESS OR IMPLIED WARRANTY, REPRESENTATION OR CONTRACT, CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON BURLE'S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF BURLE, ITS OFFICERS, EMPLOYEES AND AGENTS SHALL BE LIMITED TO $50,000.00 OR THE TOTAL AMOUNT OF 300% OF THE FEE PAID TO BURLE FOR ITS WORK PERFORMED HEREUNDER, WHICHEVER AMOUNT IS GREATER.

CLIENT HEREBY RELEASES BURLE FROM ANY SUCH EXCESS LIABILITY, REGARDLESS OF BURLE'S FAULT, NEGLIGENCE, OR STRICT LIABILITY. NEITHER PARTY HERETO SHALL BE RESPONSIBLE OR HELD LIABLE TO THE OTHER FOR PUNITIVE, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LIABILITY FOR LOSS OF USE OF ANY EXISTING PROPERTY, LOSS OF PROFITS, LOSS OF PRODUCT OR BUSINESS INTERRUPTION HOWEVER THE SAME MAY BE CAUSED, INCLUDING THE FAULT OR NEGLIGENCE OR STRICT LIABILITY OF EITHER PARTY. THE REMEDIES PROVIDED HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER REMEDIES WHICH MAY BE OR BECOME AVAILABLE TO EITHER PARTY TO THIS AGREEMENT AT LAW OR IN EQUITY.

14. INDEMNITY: Subject to the foregoing limitations, BURLE agrees to indemnify and hold client harmless from and against any and all claims, suits, costs and expenses including reasonable attorney's fees and court costs arising out of BURLE's negligence to the extent of BURLE's negligence. Client shall provide the same protection to the extent of its negligence. In the event that client or client's principal shall bring any suit, cause of action, claim or counterclaim against BURLE, the party initiating such action shall pay to BURLE the costs and expenses incurred by BURLE to investigate, answer and defend it, including reasonable attorney's and witness fees and court costs to the extent that BURLE shall prevail in such suit.

15. PAYMENT: Client shall be invoiced periodically for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the maximum interest rate permitted under applicable law, until paid. Client agrees to pay BURLE's cost of collection of all amounts due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees. BURLE shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein BURLE waives any rights to a mechanic's lien, or any provision conditioning BURLE's right to receive payment for its work upon payment to client by any third party. These general conditions are notice, where required, that BURLE shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of BURLE from any and all claims which client may have, either in tort or contract, and whether known or unknown at the time.

16. TERMINATION: This Agreement may be terminated by either party upon seven day's prior written notice. In the event of termination, BURLE shall be compensated by client for all work performed up to and including the termination date, including reimbursable expenses as per the BURLE Rate Schedule.

17. WITNESS FEES: BURLE employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay BURLE at a rate two times BURLE's then current fee schedule for any BURLE employee subpoenaed by any party as an occurrence witness as a result of BURLE's work.

18. ENTIRE AGREEMENT, TITLES, AND CONTROLLING LAW: This agreement contains the entire understanding between the parties. Client acknowledges that no representations, warranties, undertakings or promises have been made other than and except those expressly contained herein. This agreement may be amended, modified or terminated only by a written instrument signed by each of the parties hereto. In the event any of the provisions of these general conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable. The titles or paragraph headings used in this agreement are for general reference only, are not part of the agreement, and shall not be construed as establishing or limiting the meaning of the provisions contained herein. This agreement shall be subject to the law and jurisdiction of the State of Mississippi, without application of principles of conflicts-of-laws. Venue shall be proper only in the courts of Washington County, Mississippi.

19. MEDIATION: In an effort to resolve any conflicts that arise during the design or construction of the project, or following the completion of the project, or in any regard to the work BURLE provides, the Client and BURLE agree that all disputes between them arising out of or relating to this Agreement shall be submitted to nonbinding mediation unless the parties mutually agree otherwise. The Client and BURLE further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, subconsultants, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements.

20. CERTIFICATION STATEMENTS: Any "certification statement" as a result or conclusion of BURLE's services, as may be requested by the Client or third parties for legal, loan, real estate, and other purposes, will be provided upon request at additional charge at the sole discretion of BURLE, unless specifically agreed to otherwise in writing. In providing such a "certification", BURLE will state only what, in its professional opinion, is reasonably supported by available data and related analyses. When "certification statements" are provided by BURLE, standardized language (if requested to be used by the Client, its agents, or third parties) will be modified by BURLE as necessary, at its sole discretion. Refusal by BURLE to use certain standardized language, words, and phrases in "certification statements" shall neither constitute incomplete services by BURLE, nor relieve Client of its obligation to compensate BURLE in full for services provided hereunder.

21. CONTINUITY OF SERVICES: BURLE shall not be responsible for implementation of its geotechnical recommendations if not retained to adequately field verify same during construction.